

WHAT IS CLAIMED IS:

1. An operation circuit of an operation mechanism that
5 includes a pair of coils and is arranged so that a moving element
may be driven between said coils;

wherein there is connected means for suppressing an
over-voltage at the moment of interrupting an excitation
current of one of the coils as well as for interrupting an
10 induction current generated through the one coil at the time
of exciting the other coil.

2. The operation circuit according to claim 1, wherein
said means is connected in parallel to said coils, and consists
15 of diodes and induction interruption switches.

3. The operation circuit according to claim 1, wherein
said means is connected in parallel to said coils, and consists
of capacitors and resistors.

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4. The operation circuit according to claim 1, wherein
capacitors are used as coil excitation means; as well as the
capacitors are disposed respectively one relative to each of
the coils, and there is provided one charge circuit with respect
25 to the all capacitors.

5. The operation circuit according to claim 1, wherein
discharge switches are made ON in synchronization with or after
making ON said induction interruption switches.

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6. The operation circuit according to claim 2, wherein discharge switches are made ON in synchronization with or after making ON said induction interruption switches.

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7. The operation circuit according to claim 1, wherein said induction interruption switches are made OFF after a predetermined time period has passed since excitation means of the coils is made OFF.

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8. The operation circuit according to claim 2, wherein said induction interruption switches are made OFF after a predetermined time period has passed since excitation means of the coils is made OFF.

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9. The operation circuit according to claim 1, wherein the induction interruption switches are OFF while no current is carried through the coils.

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10. The operation circuit according to claim 2, wherein the induction interruption switches are OFF while no current is carried through the coils.

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11. The operation circuit according to claim 1, wherein an excitation current to drive a moving element is carried through one of the coils, subsequently brought into OFF after a predetermined time period has passed, and then is made ON again after a predetermined time period before completion of operation of the moving element.

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12. The operation circuit according to claim 2, wherein
an excitation current to drive a moving element is carried
through one of the coils, subsequently brought into OFF after
5 a predetermined time period has passed, and then is made ON
again after a predetermined time period before completion of
operation of the moving element.

13. A power-switching device in which the operation
10 circuit according to claim 1 is employed.